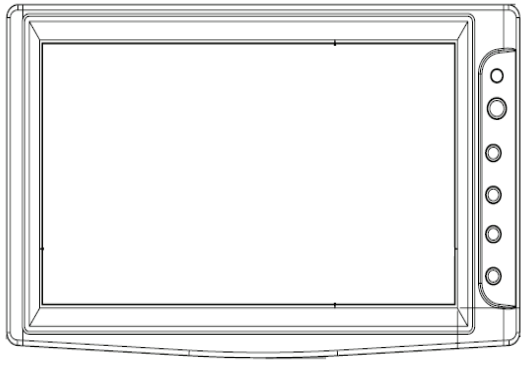
8-INCHES (WIDE) TFT LCD

TOUCHSCREEN

USER'S MANUAL



VL1

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1. Features:

. Touch Screen, No need mouse for use

. 16:9 Wide Screen

. Slim Design

. LED Backlight With Lower Power Consumption

. High Brightness 500 nits

. Three Video Inputs

. One VGA Input

. USB Interface

. Auto Power On for VGA Signal

. Support Resolution from 640x480~1024x768 for VGA mode

. VESA Mounting 75 x 75

. NTSC/PAL Auto Switching

. Auto Reversing Function

. Mirror & Up/Side Down Function

. With Stand & Headrest Shroud

. All-In-1 Cable Design

. Auto Dimmer Function

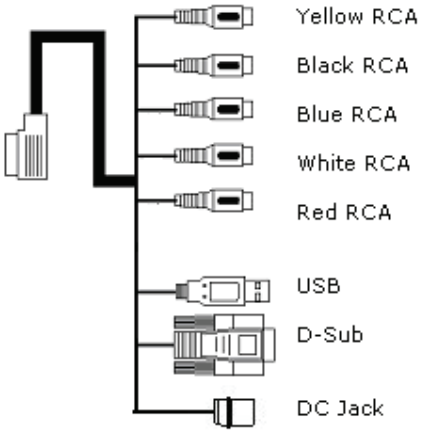
. Optional: Sunlight Readable Function(For –S model)

2.Specification:

8-INCHES TFT LCD COLOR MONITOR	
Display Size	**8-Inch TFT (20cm diagonal)**
Resolution	**800(H) x RGB x 480 (V)**
Number of Pixels	**1,152,000 pixels**
Brightness	**500cd/m2**
Contrast Ratio	**350:1**
Drive System	**Active Matrix**
Back Light	LED
Video Input	**Composite Video Signal 1 Vpp 75Ω**
Video Input System	NTSC/PAL Auto Switching
Dot Pitch	**0.0736(H) x 0.2070(V)mm**
Display Active Area	**176.64(H)x 99.36(V)mm**
Viewing Angle	**L: 65/R:65/T:45/B:65**
Power Source	**DC12-24V**
Power Consumption	**450mA/DC12V(typ.)**
Operation Temperature	**-30℃ to +85℃**
Storage Temperature	**-30℃ to +85℃**
Monitor Dimensions (mm)	**Display 220(W) x135 (H) x 29(W)** **Display With Shroud:** **238(W) x153 (H) x 30(L)**

3. Installation

Step 1: Wire Connection



1. Yellow RCA Jack: Video 1

2. Black RCA Jack: Video 2

3. Blue RCA Jack: Video 3(For Reversing Camera, when you shift the reverse gear, the camera image will be shown on the screen automatically)

4. White RCA Jack: Audio L1

5. Red RCA Jack: Audio R1

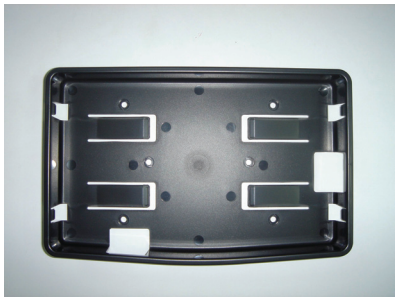
6. USB: Wire to PC for install touchkit driver

7. 15 Pin D-SUB: Wire to PC

8. DC Jack: DC12-24V

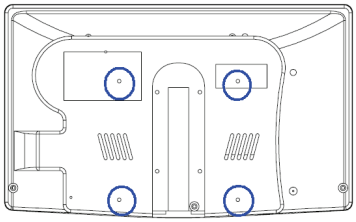
The Instruction for Headrest Shroud

a) Fix the Headrest shroud & Car Headrest with Screw.



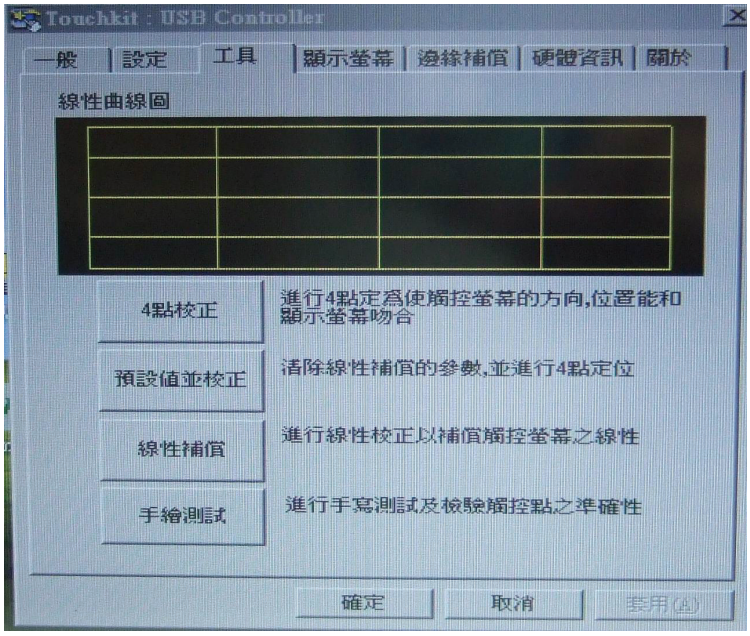
b) Separate the Monitor and Headrest Shroud Easily by Using Plastic Card (E.g. Credit Card) if Needed

c) VESA Mounting Hole



Step 2:

a) **Install the CD Disk of the software into your PC first**
b) **Select the "TouchKit" function from your PC**
c) **Select the Interface to be USB mode**
d) **Select the Language what you want: English, Traditional Chinese, Simplified Chinese, Japanese, Spanish, French, German, Korean**
e) **Select the "4 PTS CAL" to correct the sensitivity touch panel**



f) **4 Touch points are shown on the screen, please touch the left point on the bottom→right point on the bottom→right point on the top→left point on the top to correct touch function.**

g) Draw test: when you finish the 4 Pts Cal correction, you can select the draw test and drawing on the screen for testing that if your screen can feel you touch.

h) Advance: if you feel the 4 Pts Cal is not good enough for you, you can select the advance function for 25 Pts Cal correction. The step is the same as above.

***** NOTICE *****

1) **Please calibrate the Touchscreen with the Touchkit-utility after the Touchscreen drivers have been installed.**

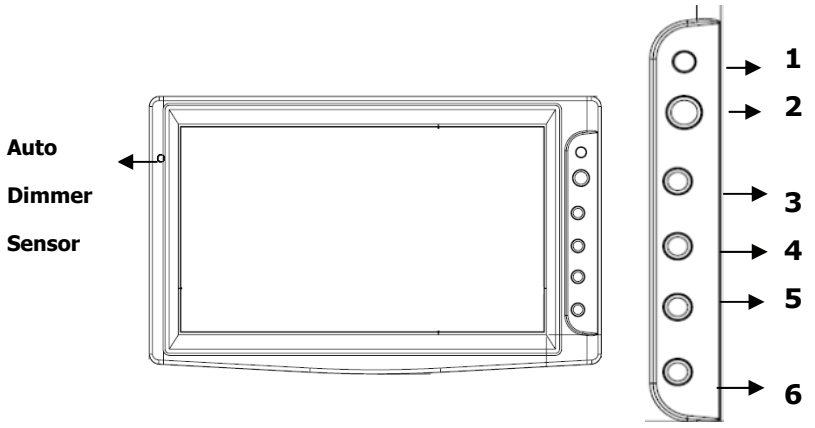
   If you do not calibrate the Touchscreen, it might not work properly and can be inaccurate. (Please Refer To The Step 2 Of the User Manual)

***** Hinweis *****

1) **Bitte kalibrieren Sie den Touchscreen im Touchkit-Programm nachdem die Touchscreen Treiber installiert sind.**

   Wenn Sie den Touchscreen nicht kalibrieren, dann wird er möglicherweise nicht richtig funktionieren und sehr ungenau sein. (siehe auch Handbuch, Schritt 2)

4. Video Control Keys:



1. IR Receiver sensor

2. POWER: power ON/OFF & Video Source Selection (Video 1, Video 2, VGA Mode)

3. Dimmer: Bright/Normal/Dark

4. MENU

5. ▲: Increase +) the setting value of OSD

6. ▼: Decrease -) the setting value of OSD

5. VIDEO Remote Controller Function:

POWER: When you push this button, it will Power On or Off the LCD.

AV: Select Mode in AV1/AV2/VGA

S: Select the screen aspect ratio to be 16:9 or 4:3 mode.

MENU: Show OSD Function Menu List and make Selection.

- : Decrease -) the setting value of OSD.

+ : : Increase +) the setting value of OSD.

MIR: Mirror Function setting

AUTO: Auto Adjust

RST: Reset

✳ : Dimmer Function setting: Bright/Normal/Dark

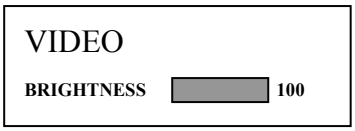
6. Content of OSD Function

OSD MENU LIST

BRIGHTNESS:

Adjust the brightness of screen.

Adjust area: 0~100



CONTRAST:

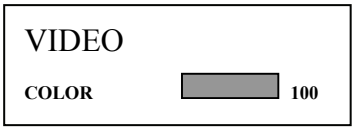
Adjust the contrast of screen.

Adjust area: 0~100

COLOR:

Adjust the color of screen.

Adjust area: 0~100



HUE:

Adjust HUE function.

Adjustment area: 0~100

H-POSITION:

Adjust Horizontal Position

Adjust area:0~100

V-POSITION:

Adjust Vertical Position

Adjust area: 1~100

ZOOM:

Adjust Ratio Position

Adjust Type: 16:9 /4:3

RESET:

Yes: Reset the Value

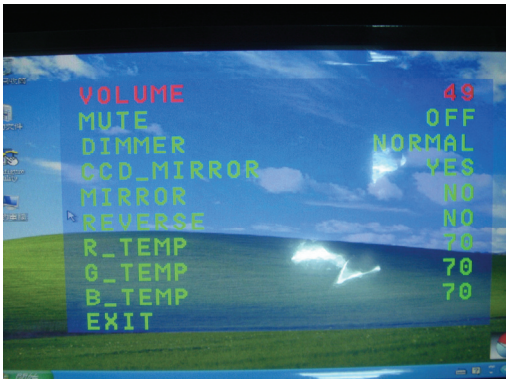
No: Don't reset the Value

EXIT:

Save the value you set and Exit

OPTION: For setting more functions (Please see next page for Detail)

VIDEO OPTION Functions:



Volume: Adjust volume from 0-100

Mute: on/off

Dimmer: Bright/Normal/Dark

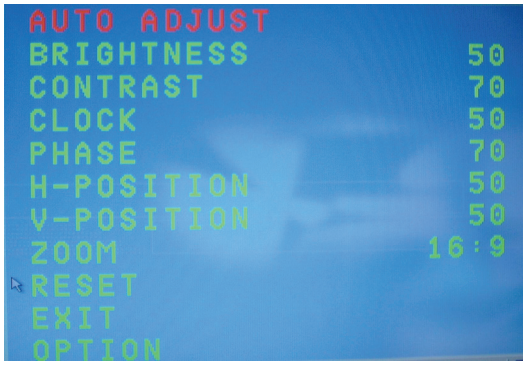
CCD Mirror: Yes/No

Mirror: Yes/No

Reversed: Yes/No, set display image up side down or not.

Exit: Save the value you set and Exit

7. Content of VGA Function



VGA MENU LIST

AUTO ADJUST:

Auto Source & set The H & V Frequency Value

BRIGHTNESS:

Adjust the brightness of screen.

Adjust area: 0~100

CONTRAST:

Adjust the contrast of screen.

Adjust area: 0~100

CLOCK

Adjust the clock of screen

Adjust area: 0~100

-

PHASE

Adjust phase function

Adjust area:0~100

H-POSITION

Adjust Horizontal Frequency Value

Adjust area:0~100

V-POSITION

Adjust Vertical Frequency Value

Adjust area: 1~100

RESET

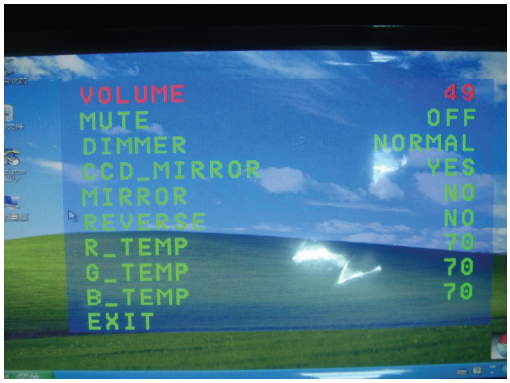
Yes: Reset the Value

No: Don't Reset the Value

OPTION:

For setting more functions (Please see next page for Detail)

Option Menu List of VGA mode



Volume: Adjust volume from 0-100

Mute: on/off

Dimmer: Bright/Normal/Dark

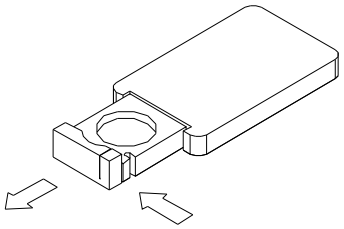
CCD Mirror: Yes/No

Mirror: Yes/No

Reversed: Yes/No, set display image up side down or not.

Exit: Save the value you set and Exit

8. Replacing Batteries Of Remote Controller



(1) Always use new batteries when replacing the old set.

(2) Do not attempt to charge, short-circuit, disassemble, hurt or burn used batteries.

(3) Battery replacement is necessary when remote controller acts sporadically or stops on the remote controller

(4) Do not drop, apply shock or stop on the remote controller

(5) Do not spill water on the remote controller

(6) Do not place objects between the remote controller and remote control receiver

(7) Do not use remote controller for other equipment at the same time.

(8) If the monitor does not operate even when operating the remote controller from a close range, it is time to replace the batteries (products number: RC2025), Refer to the label on back of the Basic Controller.

9.Standard Package:

Metal Stand x1

Headrest Shroud x 1

All-In-1 Cable x 1(DC Power plug x 1, Video x 3, VGA x 1, Audio x 2 USB x 1)

CD-Disk for Touch Driver

Remote Controller With Battery x 1

AC Switching Power Adaptor x 1

Car Cigarette Lighter plug x 1

Touch Stylus Pen x 1

User's Manual x 1

10. Precaution

1. To prevent from traffic accident, do not operate the monitor when driving.
2. Do not add pressure to the screen.
3. Do not sprinkle any liquid to clean LCD. If you need to clean it, please use LCD Clean cloth.
4. Please do not add any parts or use any accessory which is not provided from the manufacturer.
5. Please do not use and store in the high Temperature. (Storage -30~+85℃, Operating -30~+85℃)
6. When you connect cable, please make sure Anode (Positive) and Cathode (Negative) is correct. If in correct, it might damage your LCD.
7. Please be careful when moving the monitor, in case to damage the LCD.